

1. A server module for a modularly designed server comprising:
at least one data processing unit for data processing data packets;
at least one addressable communication interface for connecting the server module to an external network via which the data packets are transmitted;
a switching interface for connecting the server module to a switching device of the modularly designed server; and having
a routing calculation unit for calculating a server module address using a routing table on the basis of the utilization level of the data processing units of all the server modules of the modularly designed server.
2. The server module as claimed in claim 1, wherein the server module is provided for data processing data packets of particular prescribed application types.
3. The server module as claimed in claim 1, wherein the server module address is calculated on the basis of the application type of the transmitted data packet.
4. The server module as claimed in claim 1, wherein the communication interface has buffer stores for temporarily storing transmitted data packets.
5. The server module as claimed in claim 1, wherein the routing table is constantly updated in an associated routing server module of the modularly designed server.
6. The server module as claimed in claim 1, wherein the routing server module transmits the current routing table to the server modules via the switching interface.

7. The server module as claimed in claim 1, wherein the routing server module collects and evaluates data relating to the utilization level of the data processing units of all server modules of the modularly designed server.

8. The server module as claimed in claim 1, wherein the routing server module updates the routing table on the basis of the evaluated utilization level data, the assigned application types of the other server modules and also priority information data for the transmitted data packets.

9. The server module as claimed in claim 1, wherein the utilization level of the data processing unit of the server module is too high, data processing processes executed within the server module are transmitted to data processing units of other server modules.

10. The server module as claimed in claim 2, wherein the server module address is calculated on the basis of the application type of the transmitted data packet.

11. The server module as claimed in claim 2, wherein the communication interface has buffer stores for temporarily storing transmitted data packets.

12. The server module as claimed in claim 3, wherein the communication interface has buffer stores for temporarily storing transmitted data packets.

13. The server module as claimed in claim 2, wherein the routing table is constantly updated in an associated routing server module of the modularly designed server.

14. The server module as claimed in claim 3, wherein the routing table is constantly updated in an associated routing server module of the modularly designed server.

15. The server module as claimed in claim 4, wherein the routing table is constantly updated in an associated routing server module of the modularly designed server.

16. The server module as claimed in claim 2, wherein the routing server module transmits the current routing table to the server modules via the switching interface.

17. The server module as claimed in claim 3, wherein the routing server module transmits the current routing table to the server modules via the switching interface.

18. The server module as claimed in claim 2, wherein the routing server module collects and evaluates data relating to the utilization level of the data processing units of all server modules of the modularly designed server.

19. The server module as claimed in claim 2, wherein the routing server module updates the routing table on the basis of the evaluated utilization level data, the assigned application types of the other server modules and also priority information data for the transmitted data packets.

20. The server module as claimed in claim 2, wherein the utilization level of the data processing unit of the server module is too high, data processing processes executed within the server module are transmitted to data processing units of other server modules.